Smoke Alarm

9V BATTERY POWERED

Model Ei 100B Ionisation

- **High sensitivity – responds to all standard fires**
- **Dual Ionization chamber - quick response to fast flaming fires**
- **Battery powered – 9V (supplied)**
- **Needs no wiring**
- **Missing battery indicator**
- **Low battery warning**
- **Built in sounder**
- **Test button**
- **Kitemarked to BS EN 14604:2005**
- **5 year guarantee**

Product Description

The Ei100B is an Ionisation Smoke Alarm that runs on a 9V battery (supplied with the alarm).

Ionisation smoke alarms operate on the principle that electrical current flowing between electrodes in an ionisation chamber is reduced when smoke particles enter.

Ionisation technology gives a rapid response to fast flaming fires.

The Ei100B is easily installed and comes supplied with all necessary screw fixings.

The Ei100B is fitted with a warning flag that pops up when the battery is removed. This prevents the cover from closing when there is no battery fitted to the unit. When the battery is being installed or changed, this flag must be held down while gently pushing the battery into the battery holder.

When the battery is first connected, the alarm may sound for 2-3 seconds – **this is normal and means that the battery is connected correctly**

Operation

- The smoke detector will activate the built in sounder upon sensing smoke particles
- The smoke detector will automatically reset itself and silence the sounder when smoke particles are no longer present in the sensing chamber
- The built in sounder will provide a minimum sound output of 85dB at 3m
- The smoke detector has a built in warning flag to prevent installation of the detector without a battery fitted
- The “Test” button will perform a self test and sound the horn (it may take up to 10 seconds)
- The smoke detector will emit a beep every 40 seconds to indicate that the battery back up is depleted and needs replacing

Ei Electronics®

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E & OE As our policy is one of continuous product development, we reserve the right to alter product details without prior notice.

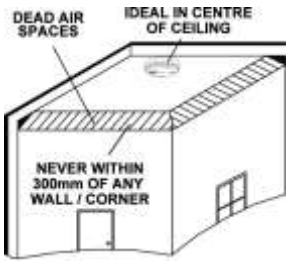
Model Ei100B Ionisation

Technical Specification

Sensor	Ionisation, uses electrically charged ions that will react to smoke particles
Sensitivity:	Complies with BS 5446 Part 1: 2000
Source:	Americium 241
Airspeed:	Essentially immune to the effect of airspeed.
Button Test:	Simulates the effect of smoke and checks chamber, electronics and horn.
Supply Voltage:	9V battery
Alarm:	Piezoelectric-horn in unit
Alarm Sound Output:	85dB (minimum) at 3m
Temperature Range:	0 to 40°C
Humidity Range:	0% to 90% Relative Humidity
Fixing:	Screw fixings supplied
Plastic material:	UL94HB flame retardant
Dimensions:	140x120x45 mm
Weight:	174 gram
Warranty:	5 year (limited) warranty
• **Approvals:**	Kitemarked to BS EN 14604:2005, CE Approved

Specifications are subject to change

Installation & Placement



Alarms should be placed in accordance with the general guidelines shown in the diagram above. These recommendations are based on the problem of areas of “dead air” close to corners of rooms and apexes of ceilings, which could result in the prevention of smoke reaching the smoke detector

Please consult the Instruction Leaflet supplied with the Ei100B for detailed instructions as to how to correctly install and position the smoke detector

Important Precaution:
Do not install the actual smoke/heat alarm itself in new or renovated buildings until all work is completed (including floor coverings) and the building has been fully cleaned. (Excessive dust and debris from building work can contaminate the smoke chamber and cause problems, and it will also invalidate the guarantee). If it must be installed, cover it completely, particularly around the edges, with a dust cover (eg. a plastic bag), until all cleaning is finished..

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